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## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

## APPLICANT

John Bryan Jones and Michael Dickman

## FILED

November 9, 1999

## GROUP

1633 1652

## U. S. PATENT DOCUMENTS

| *EXAMINER<br>INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB<br>CLASS | FILING<br>DATE |
|----------------------|-----------------|------|------|-------|--------------|----------------|
|                      |                 |      |      |       |              |                |
|                      |                 |      |      |       |              |                |

## FOREIGN PATENT DOCUMENTS

| *EXAMINER<br>INITIAL | DOCUMENT NUMBER       | DATE     | COUNTRY | CLASS | SUB<br>CLASS | TRANS.? (YES/NO) |
|----------------------|-----------------------|----------|---------|-------|--------------|------------------|
|                      | B1 W0 9 8 2 3 7 3 2 ✓ | 06/04/98 | PCT     | C12N  | 9/00         |                  |
|                      | B2 W0 9 9 3 7 3 2 3 ✓ | 07/29/99 | PCT     | A61K  | 38/43        |                  |
|                      | B3 W0 9 9 3 7 3 2 4 ✓ | 07/29/99 | PCT     | A61K  | 38/43        |                  |
|                      | B4 W0 0 0 0 1 7 1 2 ✓ | 01/13/00 | PCT     | C07K  |              |                  |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

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| C1 | Bech, L M, et al, "Chemical Modifications of a Cysteiny Residue Introduced in the Binding Site of Carboxypeptidase Y by Site-Directed Mutagenesis," <i>Carlsberg Research Communications</i> , (1988) vol 53, pgs 381-393 ✓                       |
| C2 | Bergland, P., et al., "Chemical Modification of Cysteine Mutants of Subtilisin Bacillus Lentus Can Create Better Catalysts Than the Wild-Type Enzyme," <i>Journal of the American Chemical Society</i> , (1997) vol. 119, no. 22, pgs 5265-5266 ✓ |
| C3 | Davis, Benjamin G, et al., "Controlled Site-Selective Glycosylation of Proteins by a Combined Site-Directed Mutagenesis and Chemical Modification Approach," <i>J Org. Chem</i> (1998) 63(26) 9614-9615 ✓   |
| C4 | DeSantis, G, et al., "Site-directed Mutagenesis Combined with Chemical Modification As a Strategy for Altering the Specificity of the S1 and S1' Pockets of Subtilisin Bacillus Lentus," <i>Biochemistry</i> (1998) 37 (17) 5968-73 ✓             |
| C5 | Dickman, Michael, et al., "Chamically Modified Mutants of Subtilisin Bacillus Lentus Catalyze Transesterification Reactions Better Than Wild Type," <i>Tetrahedron: Asymmetry</i> (1998), 9(23), 4099-4102 ✓                                      |

EXAMINER

DATE CONSIDERED

\* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.